**Siddhant Deshmukh**

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**Education**

**Master of Science in Computer Science Aug 2015-Dec 2016** University of Florida, Gainesville, Florida, USA  **4.0/4.0**

**Bachelor of Technology in Computer Engineering Aug 2011-May 2015**

MPSTME, NMIMS University, Mumbai, India   **3.36/4.0**

**Experience**

**VMWARE - Member of Technical Staff 3 - Uhana Platform Team - Palo Alto, California Aug 2019-Present**

* Enhance the [uhana](https://www.vmware.com/products/uhana.html) real-time streaming platform. Owner of data ingestion and distribution engine.

**INFORMATICA - Software Engineer - Cloud Platform Team - Redwood City, California Feb 2017-Aug 2019**

* Enhanced the [Informatica Cloud Platform](https://www.informatica.com/products/cloud-integration.html#fbid=SIPQ4DvQI3j) by creating and enhancing micro-services
* Owner of V3API (Informatica Cloud latest [public APIs](https://marketplace.informatica.com/community/technology_partner_network/apiary_v3)) and PC2Cloud (service to help customers

migrate from legacy PowerCenter to Informatica Cloud) micro-services

* Enhanced client-side agent to support enabling and disabling applications deployed. Made high

impact full stack changes as part of this feature (Java, Spring, MySQL, HTML, JavaScript)

**INFORMATICA - Software Development Intern - Cloud Platform Team - Redwood City, California May-Aug 2016**

* Enhanced Informatica Cloud API by adding features such as partial update of resources
* Modified and added numerous end-points to the Cloud API (Java, Spring, MySQL)

**NETCORE SOLUTIONS - Software Developer Intern - Mumbai, India** **May-Jul 2014**

* Acquired, cleaned and analyzed data for a marketing campaign, Mobilevaani (Python, Web)

**Skills**

**Programming -** Java, Python, JavaScript, C++, Scala, R, NodeJS, HTML, CSS, Ruby, Network Security

**Database –** MySQL, MongoDB, Cassandra

**Tools & Frameworks** - Spring, REST APIs, Docker, Kubernetes, Chef, Perforce, Git, HAProxy, AppDynamics,

Sumo Logic, Kafka, Jenkins, Atlassian (Jira and Confluence), Bazel, Marathon, Mesos

**Projects**

**PC2CLOUD SERVICE -** Service to convert customer on-premisemetadata to cloud **Feb 2017-Present**

* Designed and developed this critical service to help customers move to Informatica Cloud (Java)
* As service owner, handled all aspects such as production, customer and deployment related issues
* Hosted a booth at [Informatica World](https://video.informatica.com/disruptintelligently) to meet and educate customers using this product
* Educated a team in India about the product who help with its enhancement and maintenance

**V3-API SERVICE -** [Informatica public APIs](https://marketplace.informatica.com/community/technology_partner_network/apiary_v3) accessible to customers **Feb 2017-Present**

* As service owner, played a part in designing and developing latest Informatica public APIs (Java)
* Added various endpoints such as authorization/authentication, licenses and privileges

**AKAMAI CDN WITH FALLBACK -** Integrated the Informatica Cloud UI with Akamai CDN **Jan-May 2018**

* Enhanced Informatica UI to use CDN for static resources and fallback to local on failure (JavaScript)

**SECURE FACEBOOK REST API -** Implemented [API and client simulator](https://github.com/siddhantd28/Facebook-REST-API).  **Oct-Dec 2015**

* Implemented core features of Facebook API and added modern cryptographic methods (AES-256, RSA)
* Developed client simulator based on Facebook user behavioral studies (Scala, Akka Actors, Spray Can)

**FINANCIAL DATA ANALYSIS -** Nanex Data Exploration and [Parsing of Sec filings](https://github.com/siddhantd28/Parsing-Sec-Filings)  **Aug-Dec 2015**

* Used state of the art supercomputer (Grokit) to explore Nanex financial data (R and python)

**Research**

**MOBILE MONEY MONITORING MACHINE -** Research Project in Network Security Lab **Aug-Dec 2016**

* Automate security analysis for mobile money applications (Android, Python, MongoDB)

**RESEARCH PAPER -** Efficient and Secure Template Blinding for Biometric Authentication  **Jan-Aug 2016**

* Developed blinding protocols that provide template protection to database (C++)
* Research Paper accepted in IEEE CNS SPC 2016, Philadelphia, PA, USA [(link)](https://ieeexplore.ieee.org/abstract/document/7860539)